/ MF3 Rec'd PCT/PTO 29 NOV 2005

SUBSTITUTE PTO-1390

-TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371

ATTORNEY'S DOCKET NUMBER 15670-029US1 SD2003-252

U.S. APPLICATION NO (If Imouri, see 37 C.F.R. 1.5)

	CU	INCERNING A SUBMISSIO	N UNDER 35 U.S.C. 3/1	10/990046				
		ATIONAL APPLICATION NO. 2004/017237	INTERNATIONAL FILING DATE 1 June 2004	PRIORITY DATE CLAIMED 30 May 2003				
		FINVENTION Network Analysis Using Algebraic Multi	igrid Approach					
		NT(S) FOR DO/EO/US uan Cheng and Zhengyong Zhu						
App	olican	t herewith submits to the United States I	Designated/Elected Office (DO/EO/US	S) the following items and other information:				
1.	\boxtimes	This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.						
2.		This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.						
3.		This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.						
4.	\boxtimes	The US has been elected (Article 31).						
5.	\boxtimes	A copy of the International Application as filed (35 U.S.C. 371(c)(2))						
		b. has been communicated by the	nly if not communicated by the Intern ne International Bureau. tion was filed in the United States Rec					
6.		An English language translation of the	International Application as filed (35	U.S.C. 371(c)(2)).				
7. •(,)	⊠	 a. □ is attached hereto. b. □ has been previously submitted under 35 U.S.C. 154(d)(4). Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. □ are attached hereto (required only if not communicated by the International Bureau). b. □ have been communicated by the International Bureau. c. □ have not been made; however, the time limit for making such amendments has NOT expired. d. ⋈ have not been made and will not be made. 						
8.		An English language translation of amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).						
9.		An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).						
10.		An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).						
	Iten	ns 11 to 20 below concern document(s)	or information included:					
11.		An Information Disclosure Statement u	inder 37 C.F.R. 1.97 and 1.98.					
12.		An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.						
13. 14.		A preliminary amendment. An Application Data Sheet under 37 C.F.R. 1.76.						
15.		A substitute specification.						
16.		A power of attorney and/or change of address letter.						
17.		A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825.						
18.		A second copy of the published international application under 35 U.S.C. 154(d)(4).						
19.	_	A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).						

CERTIFICATE OF MAILING BY EXPRESS MAIL
Express Mail Label No. EV471534826US
Date of Deposit: November 29, 2005

U.S. APPLICATIO	N NOTIONS	ATTORNEY'S DOCKET NUMBER 15670-029US1						
20. Other items or information: Copy of International Search Report (4 pages)								
The following	g fees have been sub	mitted			CALCULATIONS PTO USE ONLY			
		\$300	\$300.00					
If the written opin by the II	amination fee (37 Clion prepared by ISA PEA/US indicates als s	\$0.00						
If the written opin IPE Search fee (37 CF Intel International Search pre	arch fee (37 CFR 1.9 ion of the ISA/US of A/US indicates all of R 1.445(a)(2)) has be remational Searching ch Report prepared lyiously communicates	\$0.00						
		1, 22 and 23 =			\$300.00			
sequence listing electronic med	e for specification aring in compliance widium) (37 CFR 1.49) of for each additional							
Total Sheets	ets Extra Sheets Number of each additional 50 or fraction thereof (round up to a whole number)		RATE					
-100 =	/50=			X \$250	\$0.00			
	of for furnishing any ment of the national	\$0.00						
CLAIMS	S NUM	BER FILED	NUMBER EXTRA	RATE				
Total Clair		6 - 20 =	6	x \$50	\$300.00			
Independent (4 - 3 =	1	x \$200	\$200.00			
MULTIPLE DEPI	ENDENT CLAIM(S) (if applicable		+ \$360	\$0.00			
				E CALCULATIONS =	\$800.00			
Applicant clair	ns small entity statu	s. See 37 C.F.R	R. 1.27. Fees above are reduced		\$400.00			
				SUBTOTAL =	\$400.00			
priority date (37 C	\$130 for furnishing C.F.R. 1.492(i))	\$0.00						
				AL NATIONAL FEE =	\$400.00			
	the enclosed assignr cover sheet (37 C.F.	\$0.00						
			TOTA	L FEES ENCLOSED =	\$400.00	1 00 00		
					Amount to be refunded:	\$0.00		
					Amount to be charged:	\$0.00		

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a. 🛛	A check in the amount of \$400.00 to cover the above fees is enclosed.				
b. 🔲	Please charge my Deposit Account No. 06-1050 in the amount of \$0.00 to cover the above fees. A duplicate copy of this sheet is enclosed.				
c. 🛛	The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-1050. A duplicate copy of this sheet is enclosed.				
d. 🗌	Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.				
NOTE: Where an appropriate time limit under 37 C.F.R. 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filed and granted to restore the International Application to pending status.					
SEND A	LL CORRESPONDENCE TO:	Jun			
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		43,312			
		REGISTRATION NUMBER			

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Attorney's Docket No.: 15670-029US1 / SD2003-252

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APPLICATION

FOR

UNITED STATES LETTERS PATENT

TITLE:

CIRCUIT NETWORK ANALYSIS USING ALGEBRAIC

MULTIGRID APPROACH

APPLICANT:

CHUNG-KUAN CHENG AND ZHENGYONG ZHU

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Date of Deposit